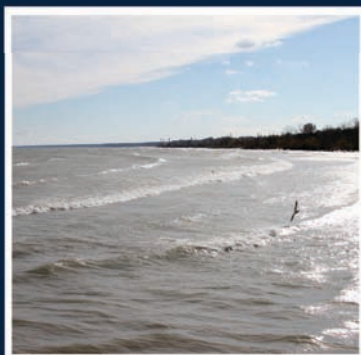
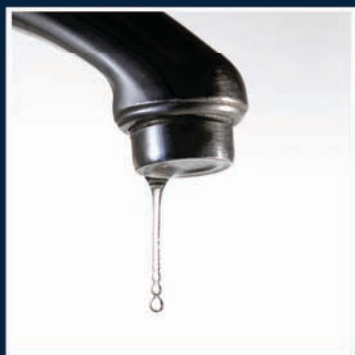


# PLANNING FOR OUR FUTURE WATER SUPPLY







## OUR WATER SUPPLY TODAY... AND TOMORROW

Grandwood Park faces an uncertain future with regard to its water supply. Our local water supply comes from underground aquifers.

The demands for water during peak periods are greater than these aquifers can supply. We are

currently pumping our shallow aquifers at capacity and are over-pumping our deep aquifer, which is creating low water levels and poor water quality. A decision on a long-term sustainable water supply is necessary.

## GRANDWOOD PARK NEEDS A SUSTAINABLE WATER SUPPLY

Continued use of the shallow and deep aquifers is not a viable long term source of water for Grandwood Park.

The shallow aquifers have limited recharge capacity and have inadequate capacity for current uses. They produce hard water from subsurface minerals, resulting in some residents treating the water with home water softening systems. There are also risks for water contamination.

The County previously drilled two deep wells to supplement the supply. However, these wells are contaminated with naturally occurring radium. The deep well water can only be used when it is either blended with shallow well water, or is treated to remove the

radium, which would increase radioactive waste disposal costs.

Continued depletion of this groundwater supply is causing serious short and long-term water supply concerns. Water levels in the deep aquifer have been dropping approximately five feet per year. As a result, the County will need to spend millions of dollars on the construction of a new deep well and treatment facilities, or find another permanent water source. Even if we construct new wells, their useful life expectancy is limited due to the continued depletion of the underground aquifer by other users.

## RECOMMENDATION

The long-term solution to treating radium and other contaminants, and to provide a sustainable water system, is to obtain a new water supply.

Studies show that Lake Michigan water is a source of high quality water and is the most cost-effective, long-term solution to our drinking water needs.

## LEARN MORE

Lake County will continue to provide information to the public on this important project by distributing public information materials and conducting public meetings. Visit our website for background materials, FAQ's, and open house meeting information. The Lake County Board and Public Works are committed to an open process and public comment is encouraged.





The cost to bring in Lake Michigan water is \$1.25 per day, which is about the price of a bottle of water.

# WATER SUPPLY FACTS

- Lower Hardness
- No iron content which will help eliminate fixture corrosion and laundry staining
- No radium contamination

## COST

The most cost-effective and efficient transmission of Lake Michigan water to Grandwood Park is through joining the Central Lake County Joint Action Water Agency (CLCJAWA). Connecting to CLCJAWA allows us to branch off their existing piping network rather than constructing a new pipeline and intake at Lake Michigan. It is expected that the project will be financed with SSA's, property taxes, and monthly service charges on water bills.

### COST INFORMATION FOR GRANDWOOD PARK

#### Property Tax Component

|                   | Construction Cost - Grandwood Park Portion | \$150,000 Property | \$200,000 Property | \$300,000 Property |
|-------------------|--|--------------------|--------------------|--------------------|
| <b>County SSA</b> | \$8.3 Million                              | \$13.33/month      | \$18.42/month      | \$25.58/month      |
| <b>CLCJAWA</b>    | (Tax Expires 2018)                         | \$1.50/month       | \$2.58/month       | \$4.08/month       |
| <b>TOTAL</b>      |  | \$14.83/month      | \$21.00/month      | \$29.66/month      |

#### Water Rate Component

| Projected Additional Water Rate | 3,000 gal/month usage | 6,000 gal/month usage | 9,000 gal/month usage |
|---------------------------------|-----------------------|-----------------------|-----------------------|
| \$2.76/1,000 gal                | \$8.28/month          | \$16.56/month         | \$24.84/month         |

A typical homeowner with a \$200,000 home and water usage of 6,000 gallons per month would see a monthly increase of \$37.56 in combined cost, or roughly \$1.25 per day.

The projected cost to do nothing right now and react to future water supply problems in crisis mode would be higher. The cost of drilling an additional deeper well, and then treating the poor water quality, would only temporarily solve our supply concerns and cost more than making the investment now to guarantee a safe and reliable water supply from Lake Michigan.



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## Attend Open House

Date: Tuesday, Jan. 22, 2013

Time: 5:30 p.m. to 7:30 p.m.

Location: Grandwood Park Park District Community Center  
36630 N. Hutchins Road, Gurnee

